



































## Jobber Length (5xD) Drills

								
Series	<b>6401</b>	<b>5519</b>	<b>657</b>	<b>658</b>	<b>2458</b>	<b>1132</b>	<b>530</b>	<b>2464</b>
Length	7xD	5xD	5xD	5xD	5xD	5xD	5xD	5xD
Shank								
Style	Micro	GU500DZ	Ti	GT100	Ti	GT80	GT500DZ	N
Point Angle	140°	118°	130°	130°	130°	130°	130°	118°
Coolant Fed								
Substrate	Carbide	Cobalt	Cobalt	Cobalt	Cobalt	Cobalt	PM-Cobalt	Carbide
Surface Finish								
High speed steels	✓	✓	✓	✓	✓	✓	✓	✓
Spring steels	✓	✓	✓	✓	✓	✓	✓	✓
Hardened steels			✓		✓	✓	✓	✓
Tool steels	✓	✓	✓	✓	✓	✓	✓	✓
Alloyed heat-treatable	✓	✓	✓	✓	✓	✓	✓	✓
Size range (mm)	0.50 - 3.00	1.00 - 14.29	0.50 - 13.00	1.00 - 13.00	0.40 - 15.00	5.00 - 20.00	1.00 - 14.29	1.00 - 12.70
Sizes page	298	265	181	183	220	205	141	224

Material group	Examples
High speed steels	M1, M2, M3-1, M3-2, M4, M6, M7, M10, M30, M33, M34, M36, M41, M42, M43, M44, M46, M47, T1, T2, T4, T5, T6, T8, T15
Spring steels	5150, 5155, 6145, 6150, 9255
Hardened steels >48-60 Rc	Heat Treated Steels
Tool steels	A2, A3, A4, A5, A6, A8, A9, A10, O1, O2, O6, O7, A7, D2, D3, D4, D5, D7, H10, H11, H12, H13, H14, H19, H20, H21, H22, H23, H24, H25, H26, H41, H42, H43, L1, L3, W1, W2, W5
Alloyed Heat Treatable	1330, 1335, 1340, 1345, 3140, 3145, 3150, 3230, 3240, 3335, 3340, 3435, 3450, 4032, 4037, 4063, 4130, 4135, 4137, 4140, 4142, 4145, 4147, 4150, 4161, 4337, 4340, 4640, 5045, 5046, 5060, 5130, 5132, 5135, 5140, 5145, 5157, 5150, 5155, 5160, 6130, 6135, 6140, 6145, 6150, 7140, 6145, 6150, 7140, 8630, 8632, 8635, 8637, 8640, 8642, 8645, 8650, 8650, 8660, 8735, 8740, 8742, 9250, 9254, 9255, 9260, 9262, 9840, 9850, 2340

